

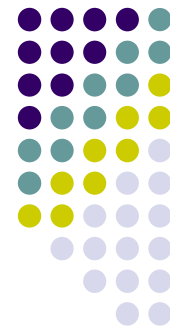


November 2013
AFRRCS Program Update
Western Borders Interoperability Working Group

Agenda

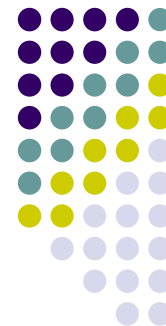
- Background
- Coverage
- Governance
- Encryption
- Agency Migrations





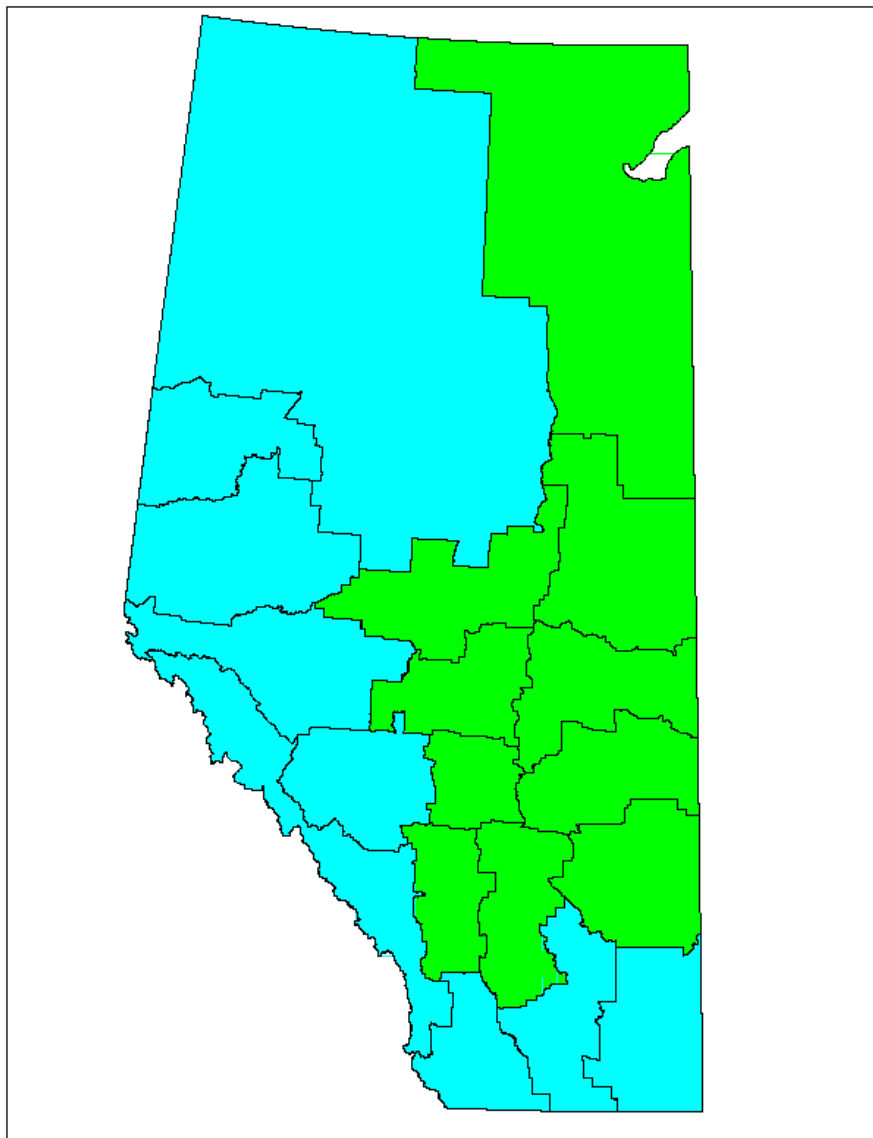
Background

- AFRRCS Objectives
 - Provide 2 way voice public safety grade radio solution
 - Improve safety of all Albertans
 - Improve safety of first response officers
 - Available to all first responders
 - Enable interoperability
 - No system fees for municipal first responders

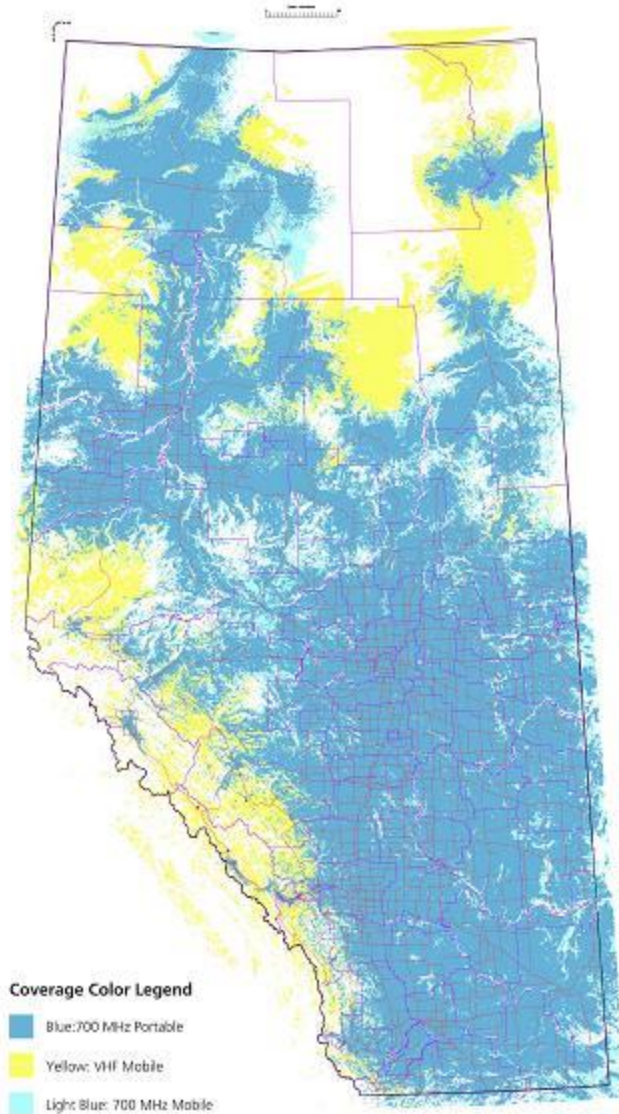


AFRRCS Build

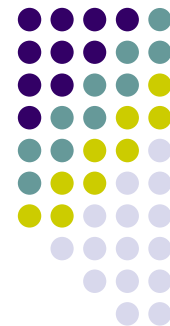
- Based on census divisions to create Integration Areas (IAs)
- BS1 (East)
- BS2 (West)
- No beneficial use before acceptance



Proposed Coverage



- Primarily 700MHz trunked P25 portable coverage
- Provincial and Federal zones to be addressed by VHF conventional P25 systems



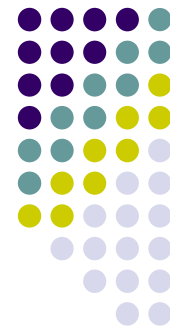
Governance

- Alberta Justice & Solicitor General responsible for system build and support
 - System: ADM Technology & Business Services
 - Agency Liaison: ADM Public Security
- Governance Council in place
 - Chair: Edmonton Deputy Fire Chief Edmonton
 - Representation from across Alberta's first responder community
 - RCMP, Calgary, & Edmonton are represented

Governance



- Interoperability & Standards Council report to the Governance Council
 - Actively working to provide governance with rules regarding use for shared system,
 - Engaged, productive group of representatives including:
 - Edmonton and Calgary Police and Fire
 - RCMP
 - AUMA and AAMDC



Encryption

- AES 256 encryption capable
- Agency owned encryption program
- Variations in Key Management Facilities
- Lab environment is proving out P25 suite of standards
- Agency requirements drive selection & price

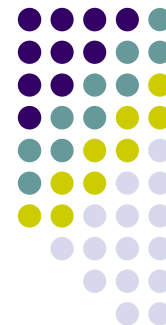


**Government
of Alberta ■**

Agency Migrations



- Usage is Voluntary for Municipal Services
- Each agency determines pace and timing
- Agency requirements drive selection & price
- Government Contracts in place
 - End user equipment
- Multi-vendor accessible system
- Lab in Edmonton for Testing Equipment pre-purchase



Permitted Radios (Nov-12)

EF Johnson

5100ES, 5300ES

Harris

XG100, XG75, XM100,
P7300 series, M7300
series

Kenwood

TK-5220, TK-5210, TK-
5710, TK-5720, TK-5410,
TK-5910

Motorola

APX4000, APX6000,
APX6500, APX7000,
APX7500, XTS
Series XTL Series

RELM

KNG P/M 150

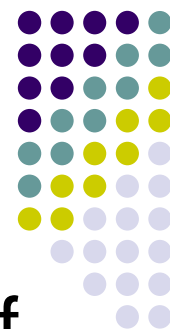
TAIT

TP/TM 9100 Series

Agency Migration Costs



- First Responder Agency costs include:
 - Staff, training, procurement, installations, etc.
 - Radios and dispatch connections (vehicles, portables, consoles, KMF)
 - Managing equipment and processes
- AFRRCS responsible for infrastructure costs capital and operating
 - Towers and supporting infrastructure
 - Network Operations



Agency Migrations

- Governance supports eventual migration of non-first responder users
 - But only when the time is right i.e. without adding risk to first responders
 - Needs assessment and business case still required
 - Municipality responsible for all incremental costs

Questions

